

```

PPPPPPPPPPPPP  AAAAAAAA  SSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
PPPPPPPPPPPPP  AAAAAAAA  SSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
PPPPPPPPPPPPP  AAAAAAAA  SSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPPPPPPPPPPPP  AAA  AAA  SSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPPPPPPPPPPPP  AAA  AAA  SSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPPPPPPPPPPPP  AAA  AAA  SSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPP  AAAAAAAAAAAA  SSS  RRR  RRR  TTT  LLL
PPP  AAAAAAAAAAAA  SSS  RRR  RRR  TTT  LLL
PPP  AAAAAAAAAAAA  SSS  RRR  RRR  TTT  LLL
PPP  AAA  AAA  SSSSSSSSSSS  RRR  RRR  TTT  LLL
PPP  AAA  AAA  SSSSSSSSSSS  RRR  RRR  TTT  LLL
PPP  AAA  AAA  SSSSSSSSSSS  RRR  RRR  TTT  LLL

```

PPPPPPPP P AAAAAA SSSSSSSS UU UU FFFFFFFF BBBBBBBB
PPPPPPPP P AAAAAA SSSSSSSS UU UU FFF BBBBBBBB
PP PP AA AA SS UU UU FFF BBBBBBBB
PP PP AA AA SS UU UU FFF BBBBBBBB
PP PP AA AA SS UU UU FFF BBBBBBBB
PPPPPPPP AA AA SSSSSS UU UU FFFFFFFF BBBBBBBB
PPPPPPPP AA AA SSSSSS UU UU FFFFFFFF BBBBBBBB
PP AAAAAAAA SS UU UU FFF BBBBBBBB
PP AAAAAAAA SS UU UU FFF BBBBBBBB
PP AA AA SS UU UU FFF BBBBBBBB
PP AA AA SSSSSSSS UUUUUUUUUU FF BBBBBBBB
PP AA AA SSSSSSSS UUUUUUUUUU FF BBBBBBBB

LL IIIII SSSSSSSS
LL IIIII SSSSSSSS
LL II SS
LL II SSSSSS
LL II SSSSSS

```
1 0001 0 MODULE PASUFB ( #TITLE 'Inquire if undefined file buffer'
2 0002 0 IDENT = '1-001' ) =
3 0003 0
4 0004 1 BEGIN
5 0005 1
6 0006 1 ****
7 0007 1
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1
26 0026 1
27 0027 1 ****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: Pascal Language Support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This procedure implements the Pascal UFB procedure. It
36 0036 1 is not called directly from compiled code, but rather can
37 0037 1 be passed as a procedure by users.
38 0038 1
39 0039 1 ENVIRONMENT: User mode - AST reentrant
40 0040 1
41 0041 1 AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. SBL 1-April-1981
46 0046 1 --
47 0047 1
```

```
: 49      0048 1 %SBTTL 'Declarations'  
50      0049 1  
51      0050 1 : PROLOGUE DEFINITIONS:  
52      0051 1  
53      0052 1  
54      0053 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, linkages, PSECTs, structures  
55      0117 1  
56      0118 1  
57      0119 1 : TABLE OF CONTENTS:  
58      0120 1  
59      0121 1  
60      0122 1 FORWARD ROUTINE  
61      0123 1      PASSUFB;                      ! Inquire if undefined file buffer  
62      0124 1  
63      0125 1  
64      0126 1 : MACROS:  
65      0127 1  
66      0128 1      NONE  
67      0129 1  
68      0130 1 : EQUATED SYMBOLS:  
69      0131 1  
70      0132 1      NONE  
71      0133 1  
72      0134 1 : FIELDS:  
73      0135 1  
74      0136 1      NONE  
75      0137 1  
76      0138 1 : OWN STORAGE:  
77      0139 1  
78      0140 1      NONE  
79      0141 1
```

```
81 0142 1 %SBTTL 'PASSUFB - Inquire if undefined file buffer'
82 0143 1 GLOBAL ROUTINE PASSUFB (
83 0144 1     PFV: REF $PAS$PFV_FILE_VARIABLE           ! Inquire if undefined file buffer
84 0145 1     ) =                                     ! File variable
85
86
87 0147 1 !++
88 0148 1 ! FUNCTIONAL DESCRIPTION:
89 0149 1
90 0150 1 ! This procedure returns a boolean value TRUE if the given file's
91 0151 1 ! buffer is undefined, FALSE otherwise.
92 0153 1 ! CALLING SEQUENCE:
93 0154 1
94 0155 1 !     UFB.WV.V = PASSUFB (PFV.MR.R)
95 0156 1
96 0157 1 ! FORMAL PARAMETERS:
97 0158 1
98 0159 1 !     PFV          - The Pascal File Variable (PFV) passed by reference.
99 0160 1 !             The structure of the PFV is defined in PASPFV.REQ.
100 0161 1
101 0162 1 ! IMPLICIT INPUTS:
102 0163 1
103 0164 1 !     NONE
104 0165 1
105 0166 1 ! IMPLICIT OUTPUTS:
106 0167 1
107 0168 1 !     NONE
108 0169 1
109 0170 1 ! ROUTINE VALUE:
110 0171 1
111 0172 1 !     Boolean TRUE (1) if file buffer is undefined.
112 0173 1 !     Boolean FALSE (0) if file buffer is defined.
113 0174 1
114 0175 1 ! SIDE EFFECTS:
115 0176 1
116 0177 1 !     Resolves any lazy lookahead in progress, possibly opening the file.
117 0178 1
118 0179 1 ! SIGNALLED ERRORS:
119 0180 1
120 0181 1 !     FILNOTOPEN - file not open
121 0182 1
122 0183 1 !--
123 0184 1
124 0185 2 ! BEGIN
125 0186 2
126 0187 2 ! LOCAL
127 0188 2 !     FCB: REF $PAS$FCB_CONTROL_BLOCK,           ! Control block
128 0189 2 !     RESULT,                                     ! Function result
129 0190 2 !     PFV_ADDR: VOLATILE,                      ! Enable argument
130 0191 2 !     UNWIND_ACT: VOLATILE;                   ! Enable argument
131 0192 2
132 0193 2 ! ENABLE
133 0194 2 !     PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT);
134 0195 2
135 0196 2 !+
136 0197 2 !     Set the enable argument for the PFV address.
137 0198 2 !-
```

```
138 0199 2
139 0200 2 PFV_ADDR = PFV [PFV$R_PFV];
140 0201 2
141 0202 2 |+
142 0203 2 | Validate and lock the PFV.
143 0204 2 |-
144 0205 2
145 0206 2 PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
146 0207 2
147 0208 2 |+
148 0209 2 | Set unwind action to unlock file.
149 0210 2 |-
150 0211 2
151 0212 2 UNWIND_ACT = PASSK_UNWIND_UNLOCK;
152 0213 2
153 0214 2 |+
154 0215 2 | Call PASS$LOOK_AHEAD to resolve lazy lookahead.
155 0216 2 |-
156 0217 2
157 0218 2 IF NOT .PFV [PFV$V_VALID]
158 0219 2 THEN
159 0220 2 PASS$LOOK_AHEAD (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
160 0221 2
161 0222 2 |+
162 0223 2 | Verify that file is open.
163 0224 2 |-
164 0225 2
165 0226 2 IF NOT .PFV [PFV$V_OPEN] ! Not open
166 0227 2 THEN
167 0228 2 SPASSIO_ERROR (PASS$FILNOTOPE,0);
168 0229 2
169 0230 2 |+
170 0231 2 | Determine if UFB
171 0232 2 |-
172 0233 2
173 0234 2 RESULT = NOT .PFV [PFV$V_DFB];
174 0235 2
175 0236 2 |+
176 0237 2 | Indicate successful completion
177 0238 2 | Unlock file and return.
178 0239 2 |-
179 0240 2
180 0241 2 FCB [FCB$L_STATUS] = 0;
181 0242 2 PFV [PFV$V_LOCK] = 0;
182 0243 2
183 0244 2 RETURN .RESULT;
184 0245 2
185 0246 1 END:
```

! End of routine PASSUF^B

```
.TITLE PASSUFB Inquire if undefined file buffer
:IDENT \1-001\

:EXTRN PASSUFB, PASS$IO_HANDLER
:EXTRN PASS$VALIDATE_PFV
:EXTRN PASS$LOOK_AHEAD
:EXTRN PASS$SIGNAL, PASSK_FILNOTOPE
```

						.PSECT	_PASS\$CODE, NOWRT, SHR, PIC, 2	
						.ENTRY	PAS\$UFB, Save R2, R3, R6, R7	: 0143
						SUBL2	#4, SP	: 0185
						CLRL	UNWIND_ACT	: 0200
						CLRL	PFV_ADDR	: 0206
						MOVAL	4\$, -(FP)	: 0212
						MOVL	PFV, R6	: 0218
						MOVL	R6, PFV_ADDR	: 0220
						JSB	PASS\$VA[DATE PFV	: 0226
						MOVL	#1, UNWIND_ACT	: 0228
						BLBS	6(R6), 1\$: 0234
						JSB	PASS\$LOOK_AHEAD	: 0241
						BBS	#5, 7(R6), 2\$: 0242
						CLRL	-(SP)	: 0244
						MOVZBL	#PASS\$FILNOTOPE, -(SP)	: 0246
						CALLS	#2, PASS\$SIGNAL	: 0185
						BRB	3\$	
						EXTZV	#1, #1, 6(R6), RESULT	
						MCOML	RESULT, RESULT	
						CLRL	-44(FCB)	
						BICB2	#128, 7(R6)	
						RET		
						CLRL	R0	
						RET		
						.WORD	Save nothing	
						MOVL	8(AP), R0	
						MOVL	4(R0), R0	
						PUSHAB	UNWIND_ACT	
						PUSHAB	PFV_ADDR	
						PUSHL	#2	
						PUSHL	SP	
						MOVQ	4(AP), -(SP)	
						CALLS	#3, PASS\$IO_HANDLER	
						RET		

: Routine Size: 115 bytes, Routine Base: _PASS\$CODE + 0000

: 186 0247 1
: 187 0248 1 !<BLF/PAGE>

PAS\$UFB
1-001 Inquire if undefined file buffer G 6
 PAS\$UFB - Inquire if undefined file buffer 16-Sep-1984 02:10:45 VAX-11 Bliss-32 V4.0-742
189 0249 1 END 14-Sep-1984 12:51:58 [PASRTL.SRC]PASUFB.B32;1
190 0250 1
191 0251 0 ELUDOM ! End of module PAS\$UFB

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(4)

PA
1-

PSECT SUMMARY

Name	Bytes	Attributes
_PASSCODE	115	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Symbols -----			Pages Mapped	Processing Time
	Total	Loaded	Percent		
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:01.0
\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	90	21	33	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LISS:PASUFB/OBJ=OBJ\$:PASUFB MSRC\$:PASUFB/UPDATE=(ENH\$:PASUFB)

Size: 115 code + 0 data bytes
Run Time: 00:04.7
Elapsed Time: 00:17.0
Lines/CPU Min: 3231
Lexemes/CPU-Min: 9000
Memory Used: 64 pages
Compilation Complete

0297 AH-BT13A-SE
VAX/VMS V4.0

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